



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Application of:

Tom H. Hill, Sean E. Ellis  
Nicholas M. Reynolds, and  
Nanjiu Zheng

For DRILL STRING DESIGN  
METHODOLOGY FOR MITIGATING  
FATIGUE FAILURE

§ Serial No: 10/830,200  
§  
§ Filed: April 22, 2004  
§  
§ Group Art Unit: Unassigned  
§  
§ Examiner: Unassigned  
§  
§ Atty Dkt: THH-6/US  
§

MAIL STOP MISSING PARTS  
Commissioner for Patents  
Alexandria, Virginia 22313-1450

"EXPRESS MAIL" MAILING LABEL	
Number: EV 318663989 US	Date of Deposit: 14-JUL-04
<small>Pursuant to 37 C.F.R. § 1.10, I hereby certify that I am personally depositing this paper or fee with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to: MAIL STOP MISSING PARTS, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.</small>	
Signature	<i>Hugh R. Kress</i>
Printed Name	Hugh R. Kress

**DECLARATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **DRILL STRING DESIGN METHODOLOGY FOR MITIGATING FATIGUE FAILURE**, the Specification of which:

☐ is attached hereto.

☒ was filed on April 22, 2004 as Application Serial No. 10/830,200

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby direct that all correspondence and telephone calls be addressed to Hugh R. Kress, Browning Bushman P.C., 5718 Westheimer, Suite 1800, Houston, Texas 77057; 713.266.5593.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Full Name: Tom H. Hill  
(First) (Initial) (Last)

Inventor's Signature: Tom H Hill

Date: April 29, 2004

Country of Citizenship: USA

Residence Address: 5507 Pillar Park  
(include number, street name, city, state, and country) Houston, Texas 77041

Post Office Address: \_\_\_\_\_  
(if different from residence address) \_\_\_\_\_

\* \* \* \* \*

In re Patent Application of Tom H. Hill et al.  
Inventors' Declaration

Inventor's Full Name: **Sean** **E.** **Ellis**  
(First) (Initial) (Last)

Inventor's Signature: Sean E Ellis

Date: April 26, 2004

Country of Citizenship: USA

Residence Address: 15926 Aberdeen Trails Drive  
(include number, street name, city, state, and country) Houston, Texas 77095

Post Office Address: \_\_\_\_\_  
(if different from residence address) \_\_\_\_\_

\* \* \* \* \*

Inventor's Full Name: **Nicholas** **M.** **Reynolds**  
(First) (Initial) (Last)

Inventor's Signature: N. Reynolds

Date: 4/26/04

Country of Citizenship: ~~USA~~ JAMAICA

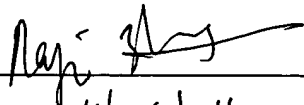
Residence Address: 16607 Gentle Stone Drive  
(include number, street name, city, state, and country) Houston, Texas 77095

Post Office Address: \_\_\_\_\_  
(if different from residence address) \_\_\_\_\_

\* \* \* \* \*

In re Patent Application of Tom H. Hill et al.  
Inventors' Declaration

Inventor's Full Name: **Nanjiu** **Zheng**  
(First) (Initial) (Last)

Inventor's Signature:   
Date: 4/26/04

Country of Citizenship: USA

Residence Address: 5434 Summer Lakes  
(include number, street name, city, state, and country) Sugar Land, Texas 77479

Post Office Address: \_\_\_\_\_  
(if different from residence address) \_\_\_\_\_  
\_\_\_\_\_

\* \* \* \* \*



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:

Tom H. Hill, Sean E. Ellis  
Nicholas M. Reynolds, and  
Nanjiu Zheng

For DRILL STRING DESIGN  
METHODOLOGY FOR MITIGATING  
FATIGUE FAILURE

§ Serial No: 10/830,200  
§  
§ Filed: April 22, 2004  
§  
§ Group Art Unit: Unassigned  
§  
§ Examiner: Unassigned  
§  
§ Atty Dkt: THH-6/US  
§

MAIL STOP MISSING PARTS  
Commissioner for Patents  
Alexandria, Virginia 22313-1450

"EXPRESS MAIL" MAILING LABEL	
Number: EV 318663989 US	Date of Deposit: 14-JUL-2004
<small>Pursuant to 37 C.F.R. § 1.10, I hereby certify that I am personally depositing this paper or fee with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to: MAIL STOP MISSING PARTS, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.</small>	
Signature	<u>Hugh R. Kress</u>
Printed Name	<u>Hugh R. Kress</u>

**ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73  
AND POWER OF ATTORNEY**

Sir:

The undersigned, being Assignee of record of the entire interest in the above-identified application by virtue of an assignment recorded or to be recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor.

The Assignee hereby revokes any previous Powers of Attorney and appoints:

Hugh R. Kress, Reg. No. 36,574

an attorney of the firm of BROWNING BUSHMAN P.C., as its attorney or agent for so long as he remains with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to T H Hill Associates, Inc., referenced below,

and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Please direct all communications as follows:

Hugh R. Kress  
BROWNING BUSHMAN P.C.  
5718 Westheimer  
Suite 1800  
Houston, Texas 77057  
713.266.5593 (voice)  
713.266.5169 (fax)

ASSIGNEE:  
T H Hill Associates

By: Tom Wadsworth  
Name: Tom Wadsworth  
Title: President

Date: APRIL 26, 2004

ASSIGNMENT:

- ☒ Concurrently filed  
☐ Previously recorded

Date: \_\_\_\_\_

Reel: \_\_\_\_\_

Frame: \_\_\_\_\_